RISC PC

Data Sheet 20
Risc PC Series
Technical specification

April 1994

Acorn

SPECIFICATION - Risc PC 600

	Risc PC 600 2M HD210	Risc PC 600 5M HD210	Risc PC 600 9M HD420
Processor	30MHz ARM610	30MHz ARM610	30MHz ARM610
RISC OS version [10]	3.50	3.50	3.50
Main Memory	2MB	4MB	8MB
Expansion to [1]	256MB	256MB	256MB
Video Memory	0MB	1MB	1MB
Expansion to	2MB	2MB	2MB
Embedded Cache	4KB	4KB	4KB
Second Processor option	Yes	Yes	Yes
Processor upgrade [11]	Yes	Yes	Yes
ROM	2 MBytes	2 MBytes	2 MBytes
Disc drives			
Internal Hard disc	210MB	210MB	420MB
3.5" floppy disc (formatted)	1.6MB	1.6MB	1.6MB
Sound output			
Standard Audio	8 channel 8-bit log digital	8 channel 8-bit log digital	8 channel 8-bit log digital
Enhanced audio (opt)[2]	16-bit linear digital	16-bit linear digital	16-bit linear digital
Built-in mono speaker	Yes	Yes	Yes
Stereo output jack	Yes	Yes	Yes
Interfaces			
Fast parallel	Yes	Yes	Yes
High speed RS232	Up to 115 kbaud	Up to 115 kbaud	Up to 115 kbaud
Free expansion slots [9]	2x32-bit DEBI slots +1 network[3,4]	2x32-bit DEBI slots +1 network[3,4]	4x32-bit DEBI +1 network[4]
Free drive bays	1x5.25"[3,4]	1x5.25"[3,4]	2x5.25" 1x3.5"[4]
Desktop			
Maximum desktop colours	32 thousand [8]	16 million	16 million
Maximum colours	16 million	16 million	16 million
@ resolution	240x352 [5,7]	640x480 [7]	640x480 [7]
Maximum resolution	1600x1200	1600x1200	1600x1200
Colours @ maximum resolution	4 greys [6]	16 [6]	16 [6]
Monitors			
Standard Monitor	14" colour to 1024 x 768	14" colour to 1024 x 768	14" colour to 1024 x 768
Optional Monitor	17" colour to 1600x1200	17" colour to 1600x1200	17" colour to 1600x1200
Video controller	VIDC 20	VIDC 20	VIDC 20
Network options	Ethernet/Econet	Ethernet/ Econet	Ethernet/Econet
Application/Data on hard disc	over 45 MBytes	over 45 MBytes	over 45 MBytes
Power supply	70 Watts 110-240 VAC 50-60Hz	70 Watts 110-240 VAC 50-60Hz	103 Watts 110-240 VAC 50-60Hz
Dimensions	4.7"H x 15"W x 13.8"D	4.7"H x 15"W x 13.8"D	15"H x 7.3"W x 13.8"D
Number of case sections	1	1	2
Case material	ABS polycarbonate [12]	ABS polycarbonate [12]	ABS polycarbonate [12]
Warranty	12 months with on-site support *	12 months with on-site support *	12 months with on-site support *

KEY

[1] 2 memory sockets are provided. Each can take 2, 4, 8, 16, 32 or 64 MByte SIMM modules. Support is also provided for when 128 MByte SIMMs become available, enabling support for up to 256 MBytes.

[2] Available June 1994

[3] The Acorn 'Risc PC Case Upgrade' extends the expansion capability to 4 podules, 1 network, 2 5.25" drive bays and 1 3.5" drive bay.

[4] Third party products will extend this to 8 podules, 1 network, 4x5.25" drive bays and 3x3.5" drive bay

[5] Full screen Replay Full Motion Video display mode

[6] 256 colours when 2 MBytes VRAM option fitted

[7] 800 x 600 when 2 MBytes VRAM option fitted

[8] 16 million when 1 or 2 MByte VRAM option fitted

[9] Archimedes podule compatible

[10] Runs the vast majority of existing RISC OS software

[11] ARM 700 option due October 1994 and ARM 800 when available

[12] as used in the aerospace industry for its strength and lightness

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